**LEGEND**

8.61 - 8.86	
8.86 - 9.11	
9.11 - 9.36	
9.36 - 9.61	
9.61 - 9.86	
9.86 - 10.11	
10.11 - 10.36	

10.36 - 10.61	
10.61 - 10.86	
10.86 - 11.11	
11.11 - 11.36	
11.36 - 11.61	
11.61 - 11.86	
11.86 - 11.97	

**STA 3/4**  
**PLAN FORMULATION**  
SURFACE ELEVATION  
CONTOUR MAP

Figure 3.2

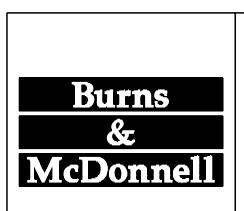
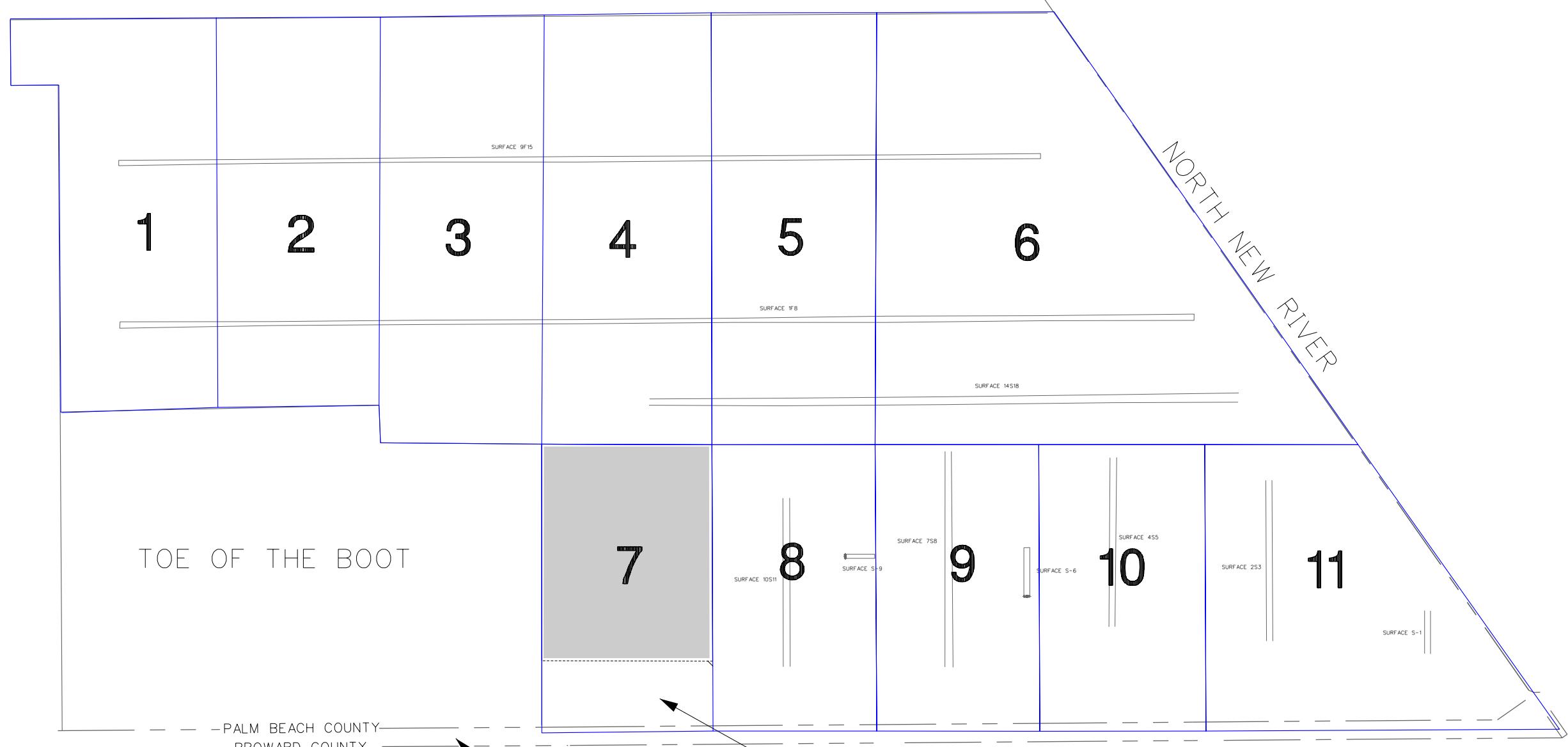
HOLEY  
LANDS

TOE OF THE BOOT

LEGEND



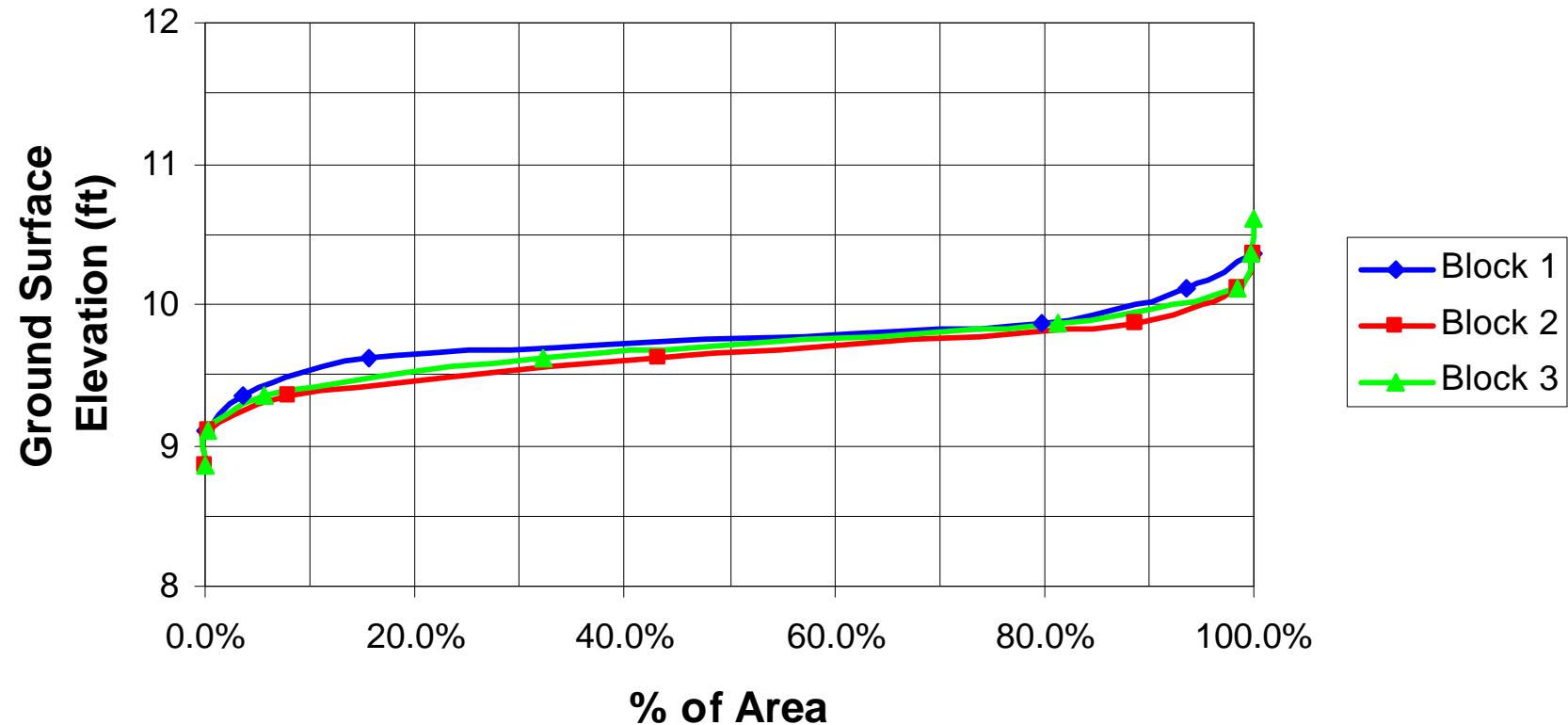
7R



**STA 3/4**  
**PLAN FORMULATION**  
BLOCK LOCATION MAP  
FOR ELEVATION-AREA DATA

Figure 3.3

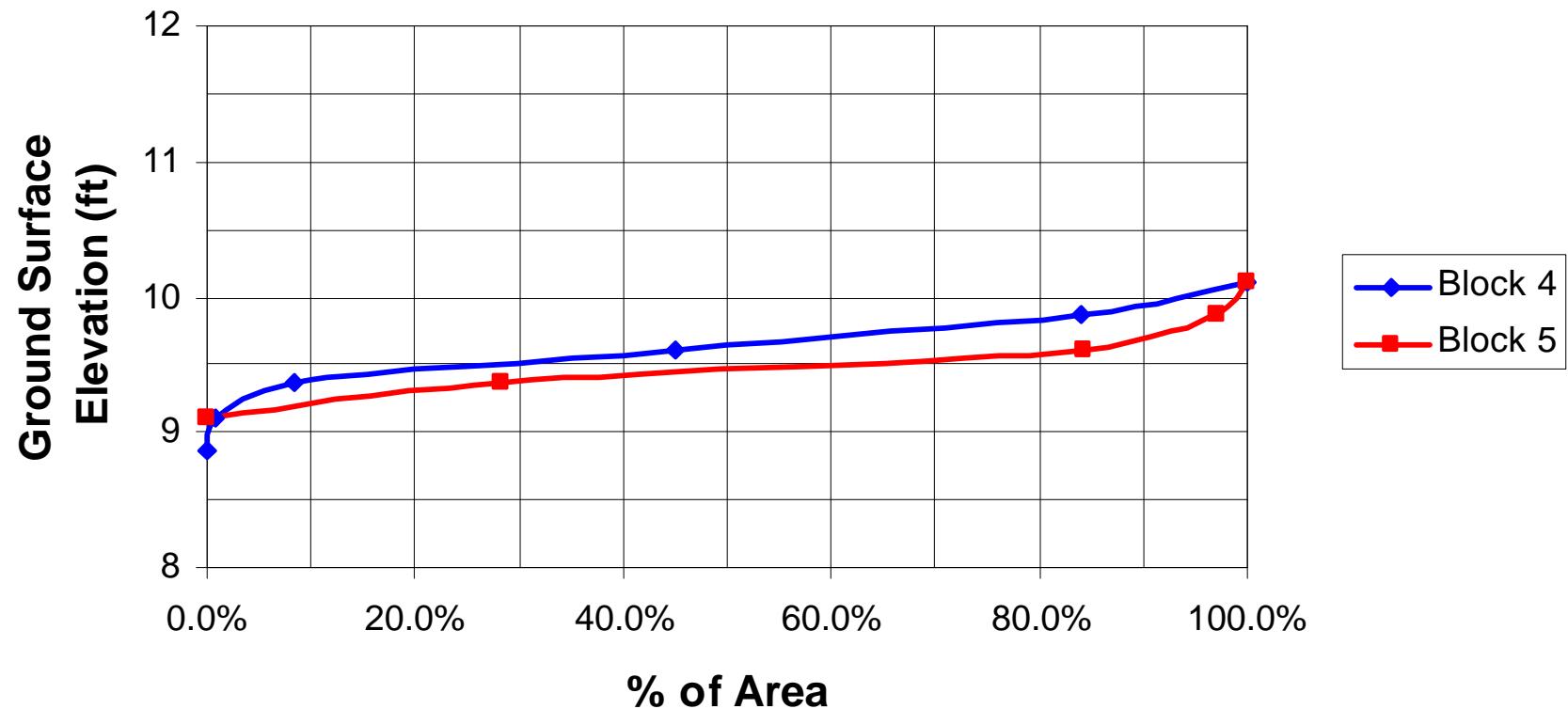
## Blocks 1, 2 and 3



Burns  
&  
McDonnell

Elevation – Area Data  
Blocks 1 - 3  
Figure 3.4

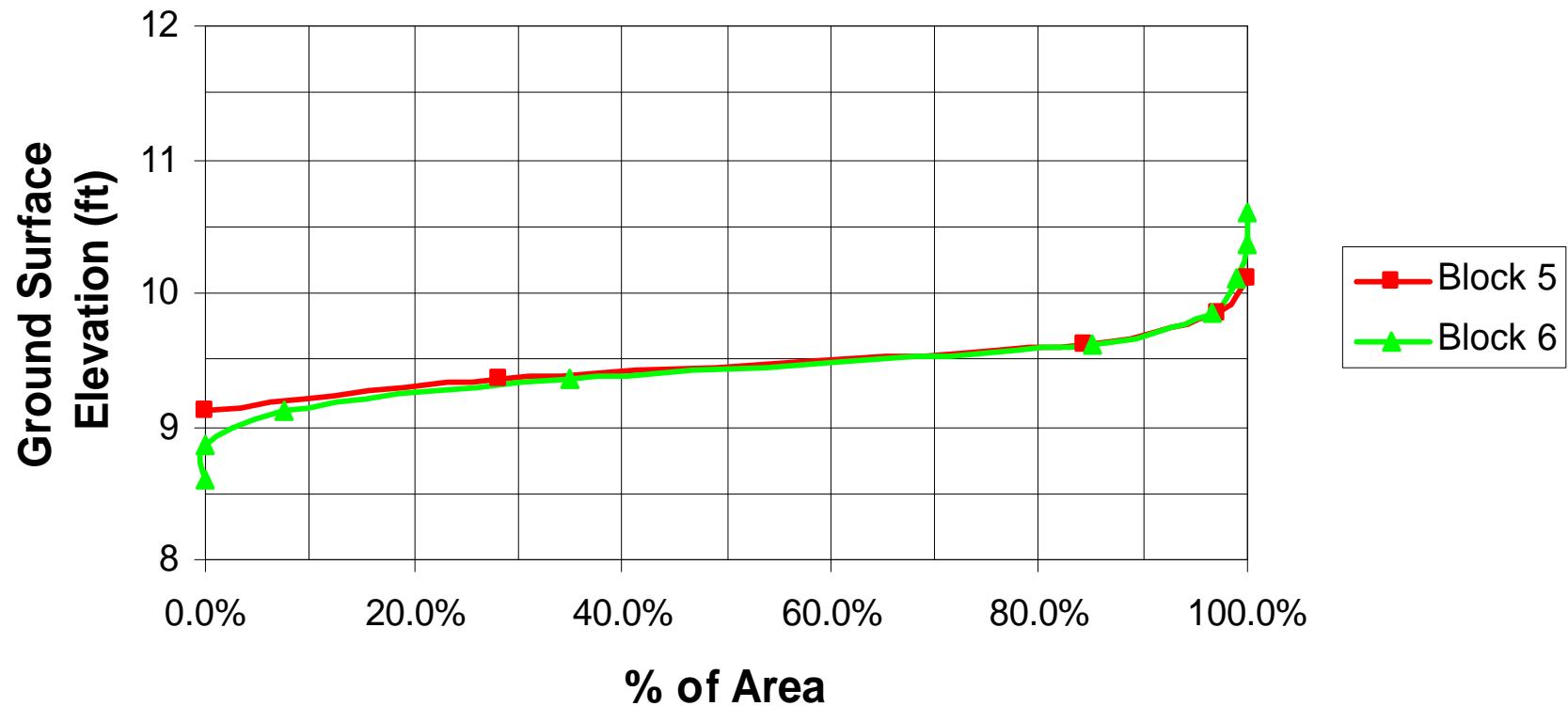
## Blocks 4 and 5



Burns  
&  
McDonnell

Elevation – Area Data  
Blocks 4 & 5  
Figure 3.5

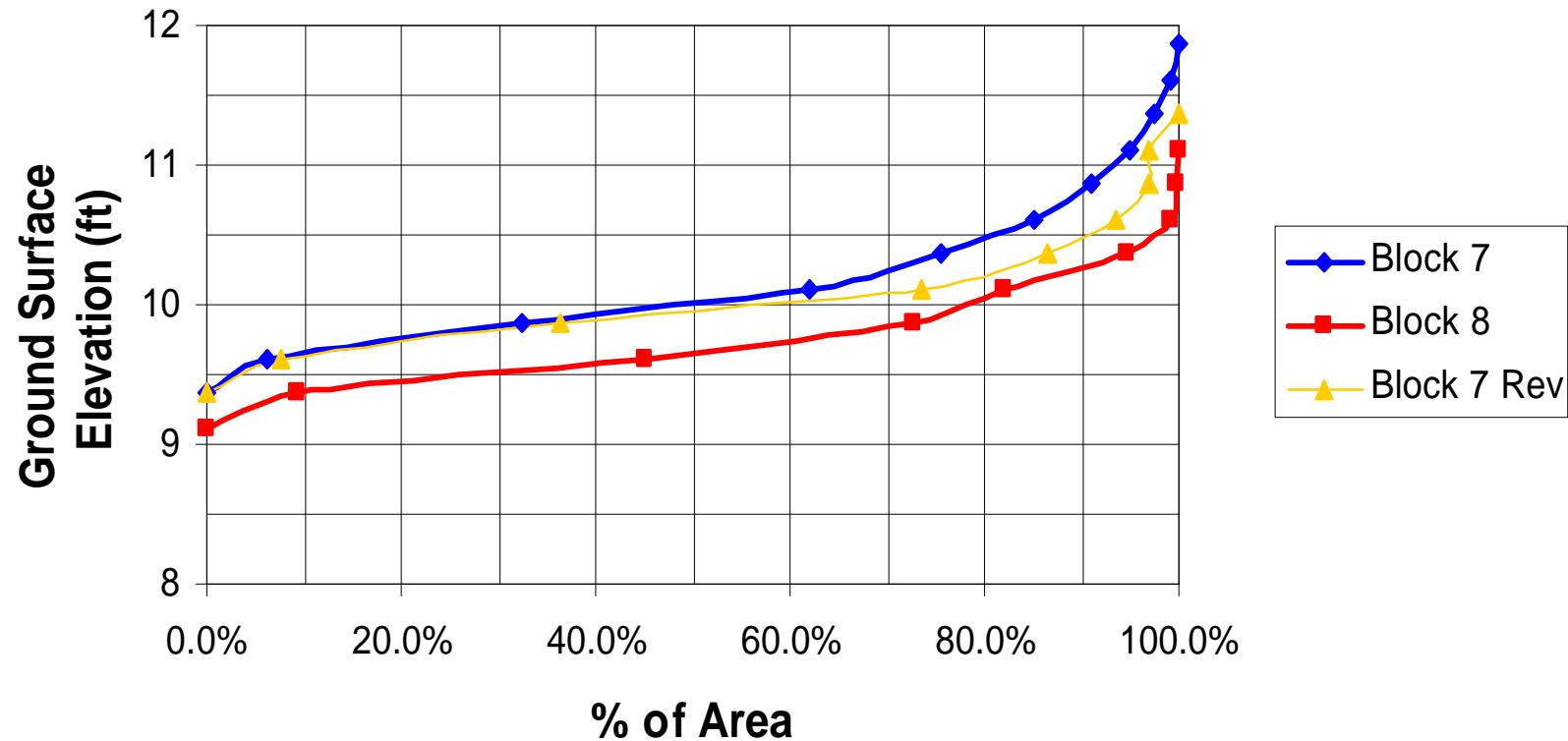
## Blocks 5 and 6



Burns  
&  
McDonnell

Elevation – Area Data  
Blocks 5 & 6  
Figure 3.6

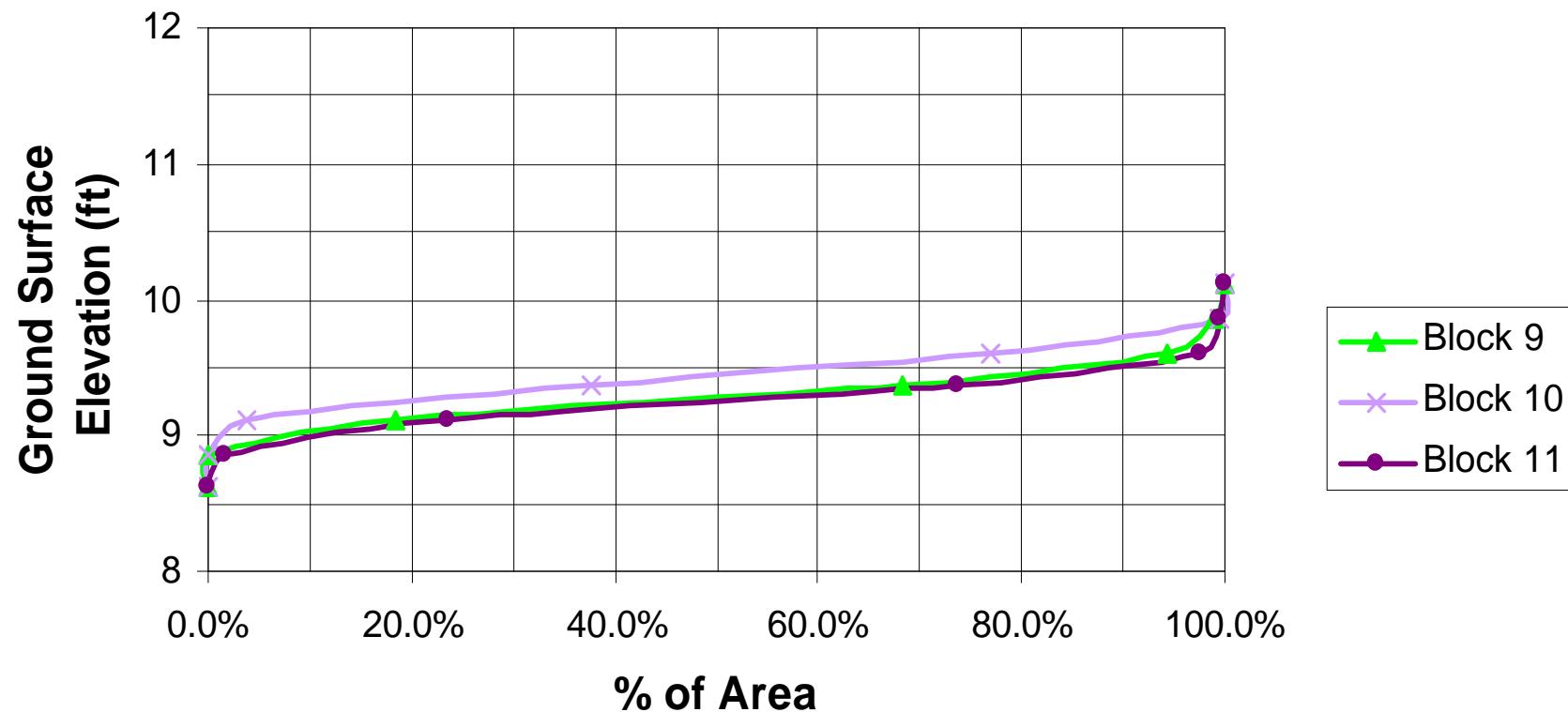
## Blocks 7 and 8



Burns  
&  
McDonnell

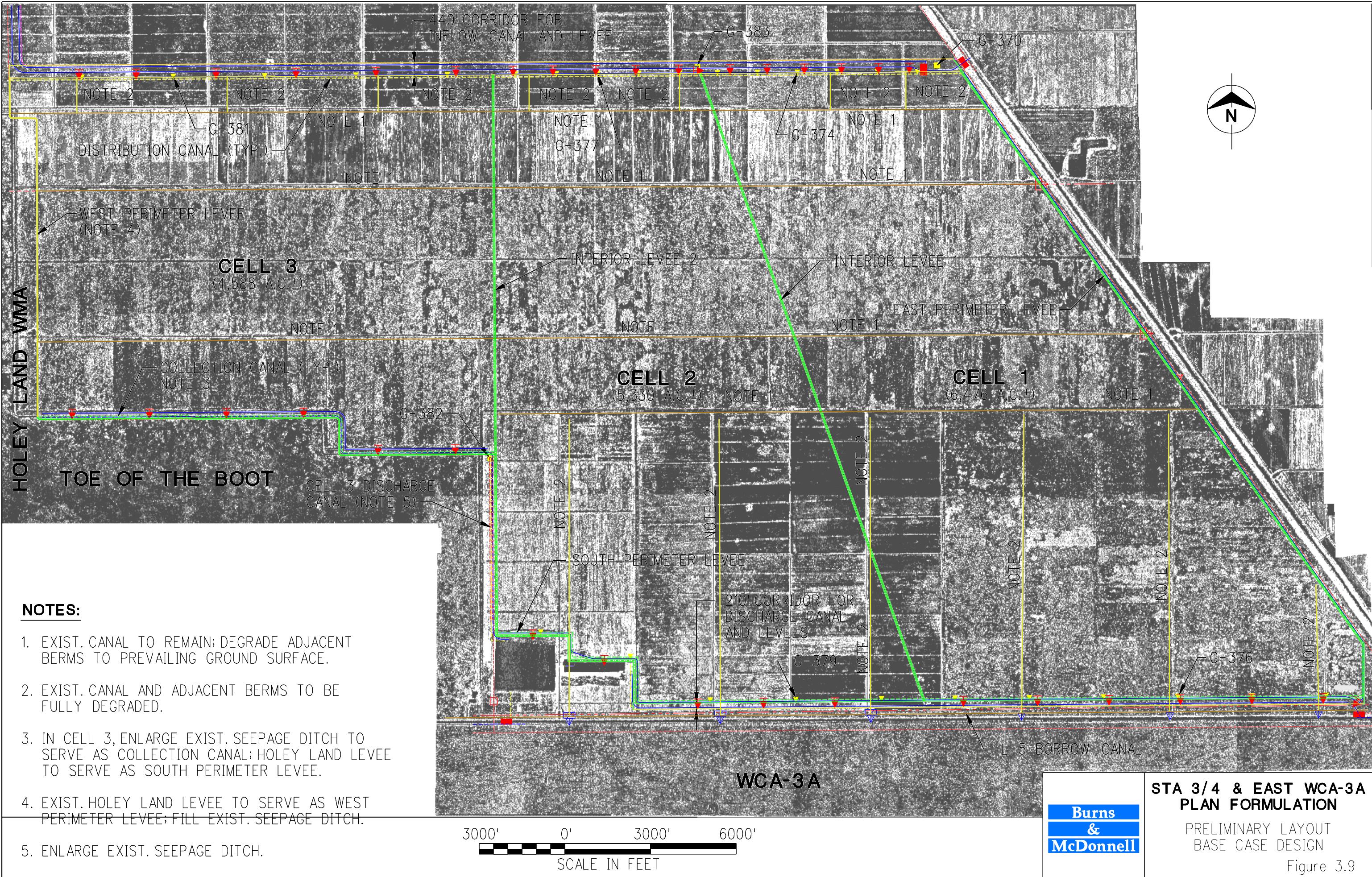
Elevation – Area Data  
Blocks 7 & 8  
Figure 3.7

## Blocks 9, 10 and 11



Burns  
&  
McDonnell

Elevation – Area Data  
Blocks 9 - 11  
Figure 3.8



ELEMENT	DESIGN DISCHARGE (CFS) FOR CONDITION				
	1	2			
Q <sub>1</sub>	2,170	398			
Q <sub>2</sub>	2,170	398			
Q <sub>3</sub>	3,670	487			
Q <sub>4</sub>	1,980	263			
Q <sub>5</sub>	1,690	224			
Q <sub>6</sub>	1,690	224			
Q <sub>7</sub>	2,840	0			
Q <sub>8</sub>	1,310	661			
Q <sub>9</sub>	3,000	885			
Q <sub>10</sub>	2,490	0			
Q <sub>11</sub>	350	0			

FLOW CONDITION	DESCRIPTION
1	MAXIMUM DESIGN INFLOW TO STA-3/4
2	MEAN ANNUAL INFLOW TO STA-3/4

## LEGEND

EXIST.

PUMPING STATION

## GATED SPILLWAY

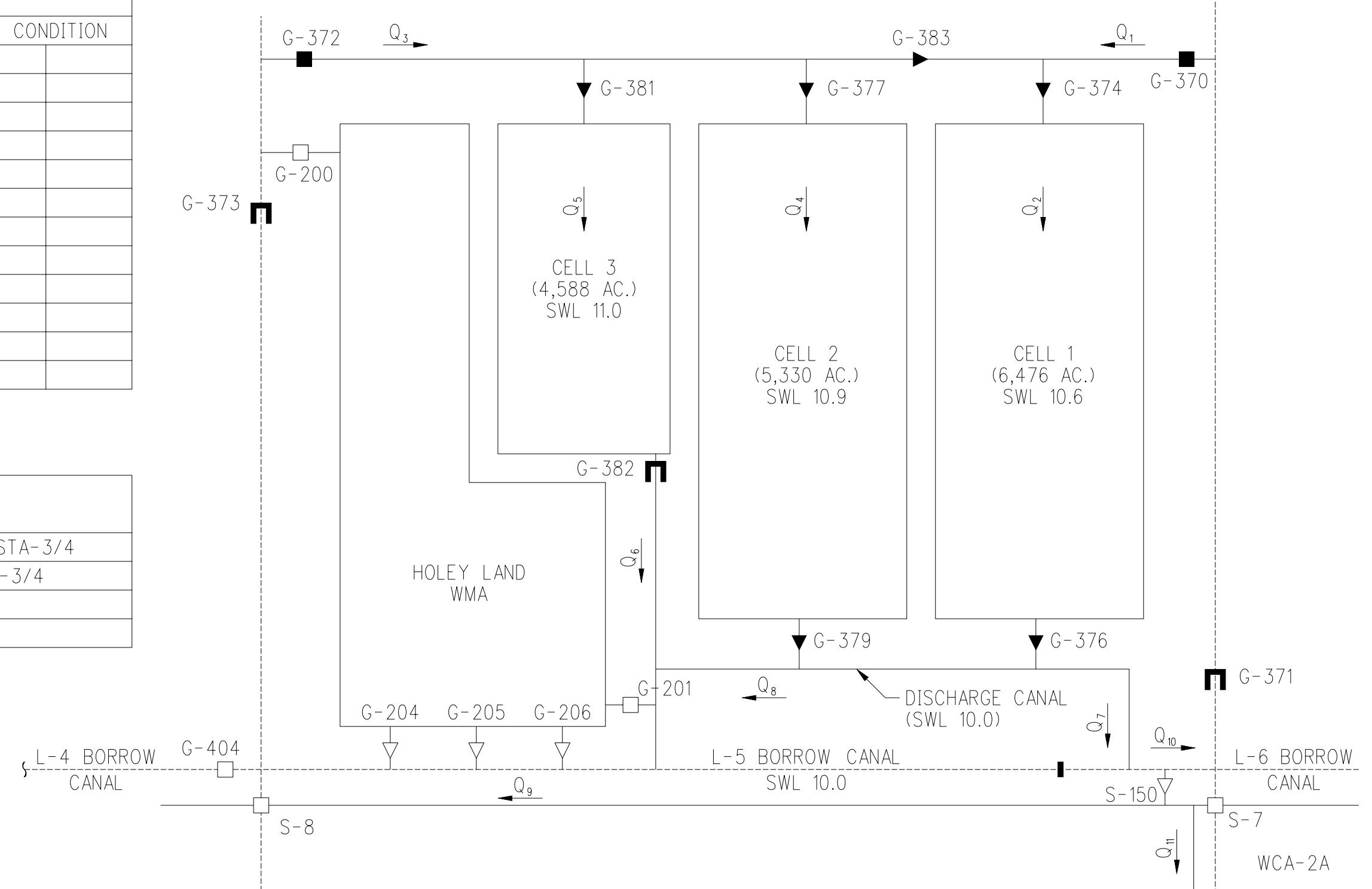
**GATED CULVERT**

## CANAL PLUG

NEW

1

1



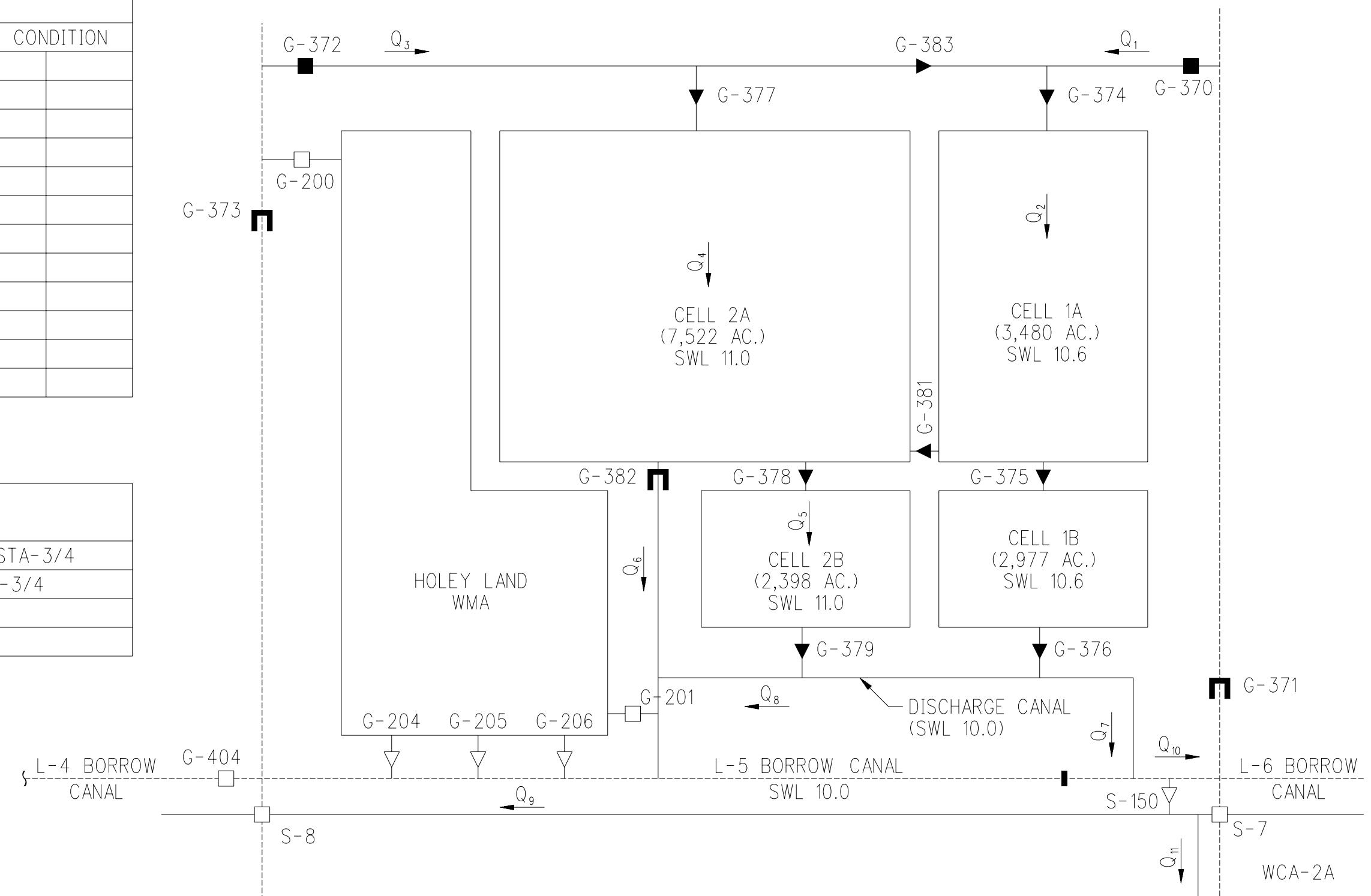
## **STA 3 / 4 & EAST WCA-3A PLAN FORMULATION**

## FLOW SCHEMATIC BASF DESIGN



FLOW DISTRIBUTION				
ELEMENT	DESIGN DISCHARGE (CFS) FOR CONDITION			
	1	2		
$Q_1$	2,170	398		
$Q_2$	2,170	398		
$Q_3$	3,670	487		
$Q_4$	3,670	263		
$Q_5$	1,980	487		
$Q_6$	1,690	487		
$Q_7$	2,840	0		
$Q_8$	1,310	885		
$Q_9$	3,000	885		
$Q_{10}$	2,490	0		
$Q_{11}$	350	0		

FLOW CONDITION	DESCRIPTION
1	MAXIMUM DESIGN INFLOW TO STA-3/4
2	MEAN ANNUAL INFLOW TO STA-3/4

**LEGEND****EXIST.**

- PUMPING STATION
- GATED SPILLWAY
- GATED CULVERT
- CANAL PLUG

**NEW**

- 
- 
- ▽
- ▀

